

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------------------|------------------------------|------------------|---------|---------------------|
| L1 | 1 | "20040253734" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:32 |
| L2 | 4 | "6419018" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:33 |
| L3 | 1 | "20030178195" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:33 |
| L4 | 1 | "20040200618" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:33 |
| L5 | 7 | 1 2 3 4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:33 |
| L6 | 4689 | chemical near3 injection | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:40 |
| L7 | 8885 | depressurization | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:40 |
| L8 | 5 | 5 and (6 or 7) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:41 |
| L9 | 118 | hydrate near3 plug | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:49 |
| L10 | 8 | 9 and 7 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:50 |
| L11 | 8 | 6 and 9 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:50 |
| L12 | 13 | 10 11 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:50 |
| L13 | 8 | 6 and 9 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 21:51 |
| S1 | 1 | ("20070098375").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 09:42 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S2 | 4 | ((("6328583") or ("6509557") or ("20030015519") or ("6371693")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 09:53 |
| S3 | 38 | ("2224403" "2306831" "2806931" "2851197" "3327086" "3483374" "3515837" "3549943" "3604893" "3891828" "3975617" "4545435" "4645906" "4716960" "4808795" "5100259" "5142115" "5241147" "5256844" "5289561" "5834746" "5960644").PN. OR ("6509557").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 09:54 |
| S4 | 4 | ("1932456" "4405196").PN. OR ("6328583").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:00 |
| S5 | 884 | paik.xp. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:01 |
| S6 | 38 | S5 and pipe and "392"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:01 |
| S7 | 192 | S5 and "392"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:02 |
| S8 | 8 | S7 and smoke | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:02 |
| S9 | 412 | paik.xa. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:06 |
| S10 | 67 | S9 and "392"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:06 |
| S11 | 21 | ("4309159" "4547656" "4558196" "4568820" "4626278" "4732085" "4748817" "4764660" "4818843").PN. OR ("5870524").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:07 |
| S12 | 13 | ("3861292" "3871353" "3969996").PN. OR ("4558196").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:07 |

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|-----|---------|--|------------------------------|----|-----|---------------------|
| S13 | 14 | ("1557044" "2086140" "3234357" "3964604" "4547656" "4558196" "4578320" "4764660" "4818843").PN. OR ("5706389").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:08 |
| S14 | 17 | ("3234357").URPN. | USPAT | OR | OFF | 2008/12/15 10:08 |
| S15 | 10 | ("3234357" "3964304" "4493211" "4764660" "5353370").PN. OR ("5559923").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:09 |
| S16 | 14 | ("1676984" "2703488" "3769833" "3869909").PN. OR ("3964304").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:10 |
| S17 | 18960 | direct near3 heating | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:14 |
| S18 | 1412104 | tubular or pipe | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:14 |
| S19 | 781 | S17 and S18 and "219"/\$. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:14 |
| S20 | 394 | S17 and S18 and "392"/\$. ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:14 |
| S21 | 991 | S19 S20 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:14 |
| S22 | 62 | S21 and (hydrate or hydrocarbon) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:15 |
| S23 | 67 | ("0972308" "1231202" "20030020499" "2096279" "2178720" "2206831" "2217857" "2224403" "2306831" "2660249" "2678377" "2714930" "2757738" "2851197" "2982354" "3184958" "3388724" "3423570" "3432186" "3439075" "3507330" "3515837" "3547193" "3556218" "3605888" "3614986" "3620300" "3630038" "3642066" "3706872" "3789188" "3859503" "3885595" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:18 |

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| | | "3933031" "3935632" "3944262" "3958636" "3975617" "3981181" "6049657" "6264401"). PN. OR ("6707012"). URPN. | | | | |
| S24 | 185 | 392/301.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:23 |
| S25 | 15 | S24 and (direct near3 heating) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 10:24 |
| S26 | 729 | riser near3 cable | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 15:04 |
| S27 | 3 | S26 and "392"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 15:04 |
| S28 | 8 | ("20020033554" "3729613" "4427033" "6102077" "6239363" "6239374" "6323420" "6713724").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:08 |
| S29 | 1 | "20020028070" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:38 |
| S30 | 0 | S29 and vessel | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:38 |
| S31 | 1 | "20020028070" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:38 |
| S32 | 358 | 392/301-306.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:39 |
| S33 | 4689 | chemical near3 injection | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:39 |
| S34 | 118 | hydrate near3 plug | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:39 |
| S35 | 0 | S33 with S34 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:39 |
| S36 | 8 | S33 and S34 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:39 |
| S37 | 8 | depressurization and S34 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:40 |

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|-----|-----|---|------------------------------|----|-----|---------------------|
| S38 | 13 | S36 S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:40 |
| S39 | 9 | ("20030178195" "20040200618" "4920752" "5261490" "5950732" "6028235" "6214175" "6267849" "6978837").PN. OR ("7222673").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:42 |
| S40 | 12 | ("20020104649" "4216738" "5244505" "5695009" "6122791" "6250387" "6260617" "6315498" "6343657" "6651744" "6719050" "7025142").PN. OR ("7279052").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:42 |
| S41 | 21 | S39 S40 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:44 |
| S42 | 0 | S41 and S37 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:44 |
| S43 | 3 | S41 and depressurization | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:44 |
| S44 | 1 | S32 and depressurization | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:44 |
| S45 | 203 | "166"/\$.ccls. and depressurization | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:44 |
| S46 | 8 | S34 and depressurization | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 16:45 |

12/15/08 10:22:07 PM

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